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<120> METHOD FOR DIAGNOSING CANCER BY DETECTING GPC3

<140> PCT/JP2003/011320

<141> 2003-09-04

<150> PCT/JP02/08997

<151> 2002-09-04

<160> 6

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

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Met Ala Gly  
1  
acc gtg cgc acc gcg tgc ttg gtg gtg gcg atg ctg ctc agc ttg gac 165  
Thr Val Arg Thr Ala Cys Leu Val Val Ala Met Leu Leu Ser Leu Asp  
5 10 15  
ttc ccg gga cag gcg cag ccc ccg ccg ccg ccg ccg gac gcc acc tgt 213  
Phe Pro Gly Gln Ala Gln Pro Pro Pro Pro Pro Pro Asp Ala Thr Cys  
20 25 30 35

Sequence listing as filed

cac	caa	gtc	cgc	tcc	ttc	ttc	cag	aga	ctg	cag	ccc	gga	ctc	aag	tgg	261
His	Gln	Val	Arg	Ser	Phe	Phe	Gln	Arg	Leu	Gln	Pro	Gly	Leu	Lys	Trp	
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gtg	cca	gaa	act	ccc	gtg	cca	gga	tca	gat	ttg	caa	gta	tgt	ctc	cct	309
Val	Pro	Glu	Thr	Pro	Val	Pro	Gly	Ser	Asp	Leu	Gln	Val	Cys	Leu	Pro	
			55					60					65			
aag	ggc	cca	aca	tgc	tgc	tca	aga	aag	atg	gaa	gaa	aaa	tac	caa	cta	357
Lys	Gly	Pro	Thr	Cys	Cys	Ser	Arg	Lys	Met	Glu	Glu	Lys	Tyr	Gln	Leu	
			70					75					80			
aca	gca	cga	ttg	aac	atg	gaa	cag	ctg	ctt	cag	tct	gca	agt	atg	gag	405
Thr	Ala	Arg	Leu	Asn	Met	Glu	Gln	Leu	Leu	Gln	Ser	Ala	Ser	Met	Glu	
	85					90					95					
ctc	aag	ttc	tta	att	att	cag	aat	gct	gcg	ggt	ttc	caa	gag	gcc	ttt	453
Leu	Lys	Phe	Leu	Ile	Ile	Gln	Asn	Ala	Ala	Val	Phe	Gln	Glu	Ala	Phe	
	100					105				110					115	
gaa	att	ggt	ggt	cgc	cat	gcc	aag	aac	tac	acc	aat	gcc	atg	ttc	aag	501
Glu	Ile	Val	Val	Arg	His	Ala	Lys	Asn	Tyr	Thr	Asn	Ala	Met	Phe	Lys	
				120					125					130		
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Asn	Asn	Tyr	Pro	Ser	Leu	Thr	Pro	Gln	Ala	Phe	Glu	Phe	Val	Gly	Glu	
			135					140					145			
ttt	ttc	aca	gat	gtg	tct	ctc	tac	atc	ttg	ggt	tct	gac	atc	aat	gta	597
Phe	Phe	Thr	Asp	Val	Ser	Leu	Tyr	Ile	Leu	Gly	Ser	Asp	Ile	Asn	Val	
		150					155					160				
gat	gac	atg	gtc	aat	gaa	ttg	ttt	gac	agc	ctg	ttt	cca	gtc	atc	tat	645
Asp	Asp	Met	Val	Asn	Glu	Leu	Phe	Asp	Ser	Leu	Phe	Pro	Val	Ile	Tyr	
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Thr	Gln	Leu	Met	Asn	Pro	Gly	Leu	Pro	Asp	Ser	Ala	Leu	Asp	Ile	Asn	
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Glu	Cys	Leu	Arg	Gly	Ala	Arg	Arg	Asp	Leu	Lys	Val	Phe	Gly	Asn	Phe	
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Pro	Lys	Leu	Ile	Met	Thr	Gln	Val	Ser	Lys	Ser	Leu	Gln	Val	Thr	Arg	
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Ile	Phe	Leu	Gln	Ala	Leu	Asn	Leu	Gly	Ile	Glu	Val	Ile	Asn	Thr	Thr	
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Asp	His	Leu	Lys	Phe	Ser	Lys	Asp	Cys	Gly	Arg	Met	Leu	Thr	Arg	Met	
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tgg	tac	tgc	tct	tac	tgc	cag	gga	ctg	atg	atg	ggt	aaa	ccc	tgt	ggc	933
Trp	Tyr	Cys	Ser	Tyr	Cys	Gln	Gly	Leu	Met	Met	Val	Lys	Pro	Cys	Gly	
	260				265				270					275		
ggt	tac	tgc	aat	gtg	gtc	atg	caa	ggc	tgt	atg	gca	ggt	gtg	gtg	gag	981
Gly	Tyr	Cys	Asn	Val	Val	Met	Gln	Gly	Cys	Met	Ala	Gly	Val	Val	Glu	
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att	gac	aag	tac	tgg	aga	gaa	tac	att	ctg	tcc	ctt	gaa	gaa	ctt	gtg	1029
Ile	Asp	Lys	Tyr	Trp	Arg	Glu	Tyr	Ile	Leu	Ser	Leu	Glu	Glu	Leu	Val	
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Asn	Gly	Met	Tyr	Arg	Ile	Tyr	Asp	Met	Glu	Asn	Val	Leu	Leu	Gly	Leu	
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Phe	Ser	Thr	Ile	His	Asp	Ser	Ile	Gln	Tyr	Val	Gln	Lys	Asn	Ala	Gly	
	325					330					335					
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Lys	Leu	Thr	Thr	Thr	Ile	Gly	Lys	Leu	Cys	Ala	His	Ser	Gln	Gln	Arg	
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caa	tat	aga	tct	gct	tat	tat	cct	gaa	gat	ctc	ttt	att	gac	aag	aaa	1221
Gln	Tyr	Arg	Ser	Ala	Tyr	Tyr	Pro	Glu	Asp	Leu	Phe	Ile	Asp	Lys	Lys	
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# Sequence listing as filed

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aga agg gaa cta att cag aag ttg aag tct ttc atc agc ttc tat agt	1317
Arg Arg Glu Leu Ile Gln Lys Leu Lys Ser Phe Ile Ser Phe Tyr Ser	
390 395 400	
gct ttg cct ggc tac atc tgc agc cat agc cct gtg gcg gaa aac gac	1365
Ala Leu Pro Gly Tyr Ile Cys Ser His Ser Pro Val Ala Glu Asn Asp	
405 410 415	
acc ctt tgc tgg aat gga caa gaa ctc gtg gag aga tac agc caa aag	1413
Thr Leu Cys Trp Asn Gly Gln Glu Leu Val Glu Arg Tyr Ser Gln Lys	
420 425 430 435	
gca gca agg aat gga atg aaa aac cag ttc aat ctc cat gag ctg aaa	1461
Ala Ala Arg Asn Gly Met Lys Asn Gln Phe Asn Leu His Glu Leu Lys	
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Met Lys Gly Pro Glu Pro Val Val Ser Gln Ile Ile Asp Lys Leu Lys	
455 460 465	
cac att aac cag ctc ctg aga acc atg tct atg ccc aaa ggt aga gtt	1557
His Ile Asn Gln Leu Leu Arg Thr Met Ser Met Pro Lys Gly Arg Val	
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Leu Asp Lys Asn Leu Asp Glu Glu Gly Phe Glu Ser Gly Asp Cys Gly	
485 490 495	
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Asp Asp Glu Asp Glu Cys Ile Gly Gly Ser Gly Asp Gly Met Ile Lys	
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Val Lys Asn Gln Leu Arg Phe Leu Ala Glu Leu Ala Tyr Asp Leu Asp	
520 525 530	
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Val Asp Asp Ala Pro Gly Asn Ser Gln Gln Ala Thr Pro Lys Asp Asn	
535 540 545	
gag ata agc acc ttt cac aac ctc ggg aac gtt cat tcc ccg ctg aag	1797
Glu Ile Ser Thr Phe His Asn Leu Gly Asn Val His Ser Pro Leu Lys	
550 555 560	
ctt ctc acc agc atg gcc atc tcg gtg gtg tgc ttc ttc ttc ctg gtg	1845
Leu Leu Thr Ser Met Ala Ile Ser Val Val Cys Phe Phe Phe Leu Val	
565 570 575	
cac tga ctgcctggtg cccagcacat gtgctgccct acagcaccct gtggtcttcc	1901
His 580	
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 Leu Lys Trp Val Pro Glu Thr Pro Val Pro Gly Ser Asp Leu Gln Val

Sequence listing as filed

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	Glu	Ala	Phe	Glu	Ile	Val	Val	Arg	His	Ala	Lys	Asn	Tyr	Thr	Asn	Ala
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	Asp	Cys	Gly	Asp	Glu	Asp	Glu	Cys	Ile	Gly	Gly	Ser	Gly	Asp	Gly	
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	Met	Ile	Lys	Val	Lys	Asn	Gln	Leu	Arg	Phe	Leu	Ala	Glu	Leu	Ala	Tyr
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Sequence listing as filed

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 Phe Leu Val His  
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